

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L13   | 6      | ("4993136" "5295853" "6218910" "6586925" "6836109" "6836110").PN.                    | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/10/15 17:58 |
| L14   | 8      | ("4893074"   "5149029"   "5440943"   "5600258"   "6271658").PN. OR ("6586925").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/10/15 18:09 |
| S1    | 2      | "20040227534"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/28 16:40 |
| S2    | 37     | (detect with pull with actuator)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/05 20:33 |
| S3    | 1      | 1993-304228.NRAN.  | DERWENT   | OR               | OFF     | 2006/04/05 20:33 |
| S4    | 113436 | "414"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/05 20:34 |
| S5    | 0      | "414"/\$.ccls. and (head and pull and push and lever and actuator).clm.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/05 20:34 |
| S6    | 21     | (head and pull and push and lever and actuator).clm.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/05 20:37 |
| S7    | 186    | S4 and (head and pull and push and lever and actuator)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/05 20:37 |

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|-----|-----|--|---|----|----|------------------|
| S8  | 1   | S4 and (test adj head and pull and push and lever and actuator)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 20:39 |
| S9  | 0   | 324/158.1.ccls. and (test adj head and pull and push and lever and actuator) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 20:39 |
| S10 | 435 | 324/158.1.ccls. and (test adj head)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 20:40 |
| S11 | 70  | S10 and (actuator or piston)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 21:06 |
| S12 | 27  | S10 and cam and follower   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 21:07 |
| S13 | 58  | S11 not S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 21:17 |
| S14 | 308 | (automatic near2 dock\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 21:17 |
| S15 | 21  | S14 and S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/05 21:19 |

## EAST Search History

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S16 | 2  | S14 and S10                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/05 21:18 |
| S17 | 75 | (dock\$4 near test near head)                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/28 14:49 |
| S18 | 77 | (dock\$4 near test near head)                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:56 |
| S19 | 32 | S18 and cam                                   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:50 |
| S20 | 20 | S18 and actuator                              | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:50 |
| S21 | 8  | S19 and S20                                   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:50 |
| S22 | 44 | S19 or S20                                    | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:50 |
| S23 | 32 | S22 and linear                                | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:50 |
| S24 | 6  | S21 and linear                                | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:55 |
| S25 | 6  | S24 and pin                                   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:55 |
| S26 | 29 | S23 and pin                                   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:55 |
| S27 | 11 | (dock\$4 near test near head) with peripheral | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 14:57 |
| S28 | 6  | S27 and linear                                | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 15:25 |
| S29 | 5  | S27 not S28                                   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2006/04/28 15:25 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S30 | 152 | automatic and (credit near card with pull\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 16:41 |
| S31 | 5   | automatic same (credit near card with pull\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 17:18 |
| S32 | 222 | 324/158.1.ccls. and actuator                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/28 17:18 |
| S33 | 149 | 324/158.1.ccls. and actuator                   | USPAT   | OR | ON | 2006/04/28 17:18 |